Pseudocode Project 1 Algorithm 4

Iterate over the array once, keeping track of two sumSubArrays. The first sumSubArray will store the current sum of the subarray found during the search. If the sum of this subarray drops below zero then it will reset its self on the next index. The second sum will store the maximum sum subarray found so far and will only be updated if a higher value is found using the first sumSubArray.

MSS maxSumSubArray( array [], size ){

sumCur

result

for (int x = 0; x < size; ++x){

if(sumCur <= 0){

set sumCur to the next element in array, update start and end

}else{

add the value to sumCur and update the new end

}

if(mSSA.sum < sumCur.sum) {

update the result

}

}

return mSSSA

}